

LS-10

A studio for your pocket

Logistic data

Article Number: N2275821

EAN code:

Main information

- Elegant, compact metal design
- Up to 24bit/96kHz sampling rate & PCM recording
- High-quality built-in microphones
- WAV/WMA/MP3 recording formats
- Large, backlit display (1.8 inches)
- Long battery life time
- 2GB internal memory
- SD / SDHC card slot
- Built-in stereo speaker
- Steinberg Cubase 4 LE software
- Cubase 4 LE and LS series Trainings video in 6 languages (English, German, French, Spanish, Italian, Russian)
- package includes remote control (incl. battery) and receiver for remote-in socket of LS series

Make high-end audio recordings no matter the time and place. Be it at a concert, a breaking news story, or out in nature, the LS-10 is the perfect accompaniment. With Linear PCM recording capabilities and sampling rates of up to 24bit/96kHz, this clever pocket-sized device captures audio in ultimate quality.

Specifications

Storage Media

Internal / Removable Media	Internal + Removable
SD / SDHC card	Yes
microSD / microSDHC card	No
Internal memory	2 GB
Replaceable memory	SD card (512 MB - 8 GB) + SDHC

USB functionality

USB Speed	USB 2.0 High Speed
USB storage class	Yes

Display

Display Backlit	Yes
Display colour	White
Display Type	Full Dot Matrix Display
Display Size	30.1 x 35.4 mm / 1.83 "

Device operation

HOLD switch	Yes
Power switch	Yes

Recording Modes

Recording format	WAV / WMA / MP3 , PCM ,
PCM (WAV) format	This high-quality, non-compressed recording format gives you better-than-CD sounds. Choose from the following modes to get the best combination of quality and recording time:
96 kHz 24 bit	0 h 55 min
96 kHz 16 bit	1 h 25 min
48 kHz 24 bit	1 h 55 min
48 kHz 16 bit	2 h 55 min
44.1 kHz 24 bit	2 h 5 min
44.1 kHz 16 bit	3 h 10 min

MP3 format	Recording time is expandable with optional SD / SDHC card (e.g. more than 12 h with 8 GB card, 44 kHz 16 bit). The ever-popular MP3 format is great for distributing music online - and the LS-10 lets you record directly in a choice of MP3 modes for different recording times:
320 kbps	14 h 10 min
256 kbps	17 h 45 min
128 kbps	35 h 35 min
WMA format	Recording time is expandable with optional SD / SDHC card (e.g. more than 139 h with 8 GB card, 128 kbps). Need to record for even longer? The LS-10 supports the versatile WMA format, which offers the following recording times:
160 kbps	27 h 50 min
128 kbps	34 h 45 min
64 kbps	69 h 35 min
	Recording time is expandable with optional SD / SDHC card (e.g. more than 272 h with 8 GB card, 64 kbps). Recording times shown above are approximate values for reference. Maximum recording capacity per each file is limited of approx. 4 GB due to file system restrictions. For WMA format the maximum recording time is approx. 26 hours 40 minutes. Available recording time for SD/SDHC memory cards refer to the Olympus official web site (http://www.olympus-europa.com).

Frequency response

96 kHz (PCM)	20 - 44.000 Hz
48 kHz (PCM)	20 - 23.000 Hz
44.1 kHz (PCM)	20 - 21.000 Hz
320 kbps (MP3)	50 - 20.000 Hz
256 kbps (MP3)	50 - 20.000 Hz
128 kbps (MP3)	50 - 17.000 Hz
160 kbps (WMA)	50 - 19.000 Hz
128 kbps (WMA)	50 - 19.000 Hz
64 kbps (WMA)	50 - 15.000 Hz
Built-in stereo speaker	70 - 20.000 Hz

Record function

Zoom Mic. Setting (DVM)	Yes
Rec Monitor	Yes
Manual Rec level control	Yes
Low-cut filter	Yes

Playback function

EUPHONY	Yes
Repeat playback	Yes
Reverb	Yes

Data organisation

Folder music	128
Files per folder	200
Folder voice	5

Other Features

Audible support	No
beep signal (system sound)	Yes
Configurable Firmware	No
Podcast support	No
Remote Control	Yes
Voice feedback / guidance	No

Interfaces Input

Microphone sensitivity	High (- 59dBv) Low (- 39dBv)
Microphone jack	3.5 ø mm mini-jack, impedance 2 k?
LINE IN jack	3.5 ø mm mini-jack, impedance 78 k?
LINE IN jack input	- 6dBv

Interfaces Output

Max. working output	200 mW + 200 mW (8 ? speaker)
Maximum headphone output	3 mW + 3 mW
Speaker	Stereo (two built-in ø 16 mm round dynamic speaker)
Earphone jack	3.5 ø mm jack, impedance 8? or more

Power Supply

Power Supply	AA batteries (LR6 or ZR6) or two Ni-MH rechargeable batteries
Alkaline battery life	Recording: 12 h (PCM 44.1kHz 16 bit)
Ni-MH battery life	Recording: 16 h (PCM 44.1kHz 16 bit)
External power supply	AC-Adapter 5V / 300 mA

Languages

Menu languages	English
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Operating Systems & Requirements

Windows	Operating system:	Microsoft Windows 2000/XP/Vista (Free USB port)
Macintosh	Operating system:	Mac OS 10.2/10.3/10.4/10.5 (Free USB port)

Dimensions

Weight	165 g (incl. battery)
WxHxD	48 x 131.5 x 22.4 mm
Housing material	Metal
Housing colour	Black

Box Contents

- Warranty Card
- 2x AA Batteries
- Handstrap
- WS-5 Windscreen
- DVD-ROM (Sound Editing Software "CUBASE LE4")
- Cubase 4 LE and LS series Trainings video in 6 languages (EN, DE, FR, ES, IT, RU)
- CS-117 Case
- KA-334 Audio connection cable
- RS-30W Remote Control
- Instruction Manual

Power Supply

- A-513
- A-514 AC Adapter

Microphones

- ME-30W Conference Kit
- ME-31 Compact Gun Microphone
- ME-32 Compact Zoom Microphone

Cables & Adapters

- KA-334 Audio connection cable

Case & Strap

- CS-117 Case

Other Accessories

- WJ1 Wind Jammer for LS-10